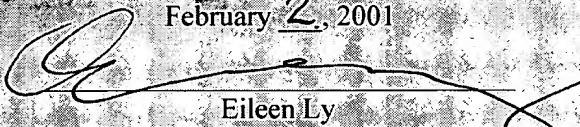




IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Docket P1765R1

RECEIVED
FEB 15 2001
TECHNICAL CENTER 1500/23010

In re Application of P. Mickey Williams et al. Serial No.: 09/613,972 Filed: July 11, 2000 For: PROMOTION OR INHIBITION OF ANGIOGENESIS AND CARDIOVASCULARIZATION BY TUMOR NECROSIS FACTOR LIGAND/RECEPTOR HOMOLOGS	Group Art Unit: 1646 Examiner: To Be Assigned <div style="border: 1px solid black; padding: 5px;"><p style="text-align: center;">CERTIFICATE OF MAILING</p><p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231 on</p><p style="text-align: center;">February 2, 2001</p><p style="text-align: center;"> Eileen Ly</p></div>
---	---

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

Applicants submit herewith patents, publications or other information (attached hereto and listed on the attached revised Form PTO-1449) of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR §1.56.

This Information Disclosure Statement is filed in accordance with the provisions of:

☒ **37 CFR §1.97(b)**

- within three months of the filing date of the application other than a continued prosecution application under 37 CFR §1.53(d); or
- within three months of the date of entry of the national stage of a PCT application as set forth in 37 CFR §1.491, or
- before the mailing of the first Office action on the merits; or
- before the mailing of the first Office action after the filing of a request for a continued examination under 37 CFR §1.114.

☐ **37 CFR §1.97(c)**

- by the applicant after the period specified in 37 CFR §1.97(b), but prior to the mailing date of any of a final action under 37 CFR §1.113, or a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application, and is accompanied by either the fee set forth in 37 CFR §1.17(p) or a statement as specified in 37 CFR §1.97(e), as checked below.

☐ **37 CFR §1.97(d)**

- after the period specified in CFR §1.97(c), and is accompanied by the fee set forth in 37 CFR §1.17(p) and a statement as specified in 37 CFR §1.97(e), as checked below.

[If either of boxes 37 CFR §1.97(c) or 37 CFR §1.97(d) is checked above, the following statement under 37 CFR §1.97(e) may need to be completed.]

- ☐ **37 CFR §1.97(e)** Each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- ☐ **37 CFR §1.704(d)** Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and the communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of this information disclosure statement. Therefore, in accordance with the provisions of 37 CFR §1.704(d), the filing of this information disclosure statement will not be considered a failure to engage in reasonable efforts to conclude prosecution under 37 CFR §1.704.
- ☐ The U.S. Patent and Trademark Office is hereby authorized to charge Deposit Account No. 07-0630 in the amount of \$180.00 to cover the cost of this Information Disclosure Statement under 37 CFR §1.17(p). Any deficiency or overpayment should be charged or credited to this deposit account.

A list of the patent(s) or publication(s) is set forth on the attached revised Form PTO-1449 (Modified).

A copy of the items on PTO-1449 is supplied herewith.

Those patent(s) or publication(s) which are marked with an asterisk (*) are not supplied.

☐ BLAST results enclosed:

The undersigned also wishes to bring to the attention of the Examiner BLAST results of computerized alignments of the against sequences contained in the nucleotide and protein databases. The BLAST results are provided in paper form and are identified as reference "BLAST Results A-1- A-()" (nucleotide) and "BLAST Results B-1 - B-()" (protein) on the PTO Form 1449. Applicant requests that these references also be considered and that the Form 1449 be initialed to indicate the Examiner's consideration of the references.

A concise explanation of relevance of the items listed on PTO-1449 is:

- ☐ not given
- ☐ given for each listed item

☒ given for only non-English language listed item(s) [Required]

For item number 9 (EP 417,563), an English abstract is attached.

For item number 14 (JP 3130299), an English abstract is attached.

☐ in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references.

In accordance with 37 CFR §1.97(g), the filing of this information disclosure statement shall not be construed as a representation that a search has been made.

In accordance with 37 CFR §1.97(h), the filing of this information disclosure statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 CFR § 1.56(b).

In the event that the Office determines a fee to be due where none is specifically authorized in this paper, the U.S. Patent and Trademark Office is hereby authorized to charge Deposit Account No. 07-0630 in the amount of \$180.00 to cover the cost of this Information Disclosure Statement under 37 CFR §1.17(p).

Respectfully submitted,

GENENTECH, INC.

By:

Diane L. Marschang
Diane L. Marschang


Reg. No. 35,600

Telephone No. (650) 225-5416



09157

PATENT TRADEMARK OFFICE

FORM PTO-1449 LIST OF DISCLOSURES CITED BY APPLICANT (Use several sheets if necessary)		U.S. Dept. of Commerce Patent and Trademark Office	Atty Docket No. P1765R1	Serial No. 09/613,972
			Applicant Williams et al.	
			Filing Date 11 Jul 2000	Group 1646

U.S. PATENT DOCUMENTS

Examiner Initials		Document Number	Date	Name	Class	Subclass	Filing Date
	1	5,573,762	12.11.96	Ferrara et al.			
	2	5,610,134	11.03.97	Clark et al.			
	3	5,624,806	29.04.97	Baker et al.			
	4	5,661,122	26.08.97	Clark et al.			
	5	5,773,223	30.06.98	Shyamala et al.			
	6	5,773,414	30.06.98	Cody et al.			
	7	5,998,171	07.12.99	Yu et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials		Document Number	Date	Country	Class	Subclass	Translation Yes No	
	8	370,989 ✓	30.05.90	EPO				
	9	417,563 ✓	20.03.91	EPO (ENGLISH ABSTRACT ATTACHED)				
	10	457,195 ✓	15.04.98	EPO				
	11	460,679 ✓	28.10.98	EPO				
	12	471,754B ✓	31.07.96	EPO				
	13	552,489 ✓	04.03.98	EPO				
	14	3130299 ✓	04.06.91	JAPAN (ENGLISH ABSTRACT ATTACHED)				
	* 15	PCT/US 00/13705	17.05.00	PCT				
	16	WO 00/53753 ✓	14.09.00	PCT				
	17	WO 95/28173 ✓	26.10.95	PCT				
	18	WO 96/17931 ✓	13.06.96	PCT				
	19	WO 96/30046 ✓	03.10.96	PCT				
	20	WO 97/01633 ✓	16.01.97	PCT				
	21	WO 97/25428 ✓	17.07.97	PCT				
	22	WO 98/06842 ✓	19.02.98	PCT				
	23	WO 98/07880 ✓	26.02.98	PCT				
	24	WO 98/45332 ✓	15.10.98	PCT				
	25	WO 99/25834 ✓	27.05.99	PCT				
	26	WO 99/40196 ✓	12.08.99	PCT				

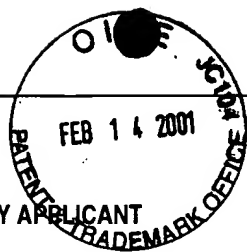
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

	27	Adamis et al., "Inhibition of Vascular Endothelial Growth Factor Prevents Retinal Ischemia-Associated Iris Neovascularization in a Nonhuman Primate" <u>Arch. Ophthalmology</u> 114(1):66-71 (1996)
	28	Aiello et al., "Vascular endothelial growth factor in ocular fluid of patients with diabetic retinopathy and other retinal disorders" <u>New England J. of Medicine</u> 331(22):1480-1487 (1994)
	29	Altshul and Gish, "Local Alignment Statistics" <u>Methods in Enzymology</u> 266:460-480 (1996)
	30	Armitage et al., "Molecular and biological characterization of a murine ligand for CD40" <u>Nature</u> 357(6373):80-82 (1992)

Examiner	Date Considered
----------	-----------------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. Dept. of Commerce
Patent and Trademark Office

Atty Docket No.

P1765R1

Serial No.

09/613,972

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant

Williams et al.

Filing Date

11 Jul 2000

Group

1646

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

31	Ashkenazi et al., "Protection Against Endotoxic Shock by a Tumor Necrosis Factor Receptor Immunoadhesin" <u>Proc. Natl. Acad. Sci.</u> 88:10535-10539 (1991)
* 32	Ausubel et al. <u>Current Protocols in Molecular Biology</u> , N.Y.:Green Publishing Associates and Wiley Interscience (1989)
33	Banner et al., "Crystal Structure of the Soluble Human 55 kd TNF Receptor-Human TNF β Complex: Implications for TNF Receptor Activation" <u>Cell</u> 73:431-445 (1993)
34	Baum et al., "Molecular characterization of murine and human OX40/OX40 ligand systems: identification of a human OX40 ligand as the HTLV-1-regulated protein gp34" <u>EMBO Journal</u> 13(17):3992-4001 (1994)
35	Berkman et al., "Expression of the vascular permeability factor/vascular endothelial growth factor gene in central nervous system neoplasms" <u>J. Clin. Invest.</u> 91(1):153-159 (1993)
36	Betocchi et al., "Effects of Diltiazem on left ventricular systolic and diastolic function in hypertrophic cardiomyopathy" <u>Am. J. Cardiol.</u> 78:451-457 (1996)
37	Bodmer et al., "TRAMP, a Novel Apoptosis-Mediating Receptor with Sequence Homology to Tumor Necrosis Factor Receptor 1 and Fas(Apo-1/CD95)" <u>Immunity</u> 6:79-88 (1997)
38	Bonow et al., "Verapamil-induced improvement in left ventricular diastolic filling and increased exercise tolerance in patients with hypertrophic cardiomyopathy: short- and long-term effects" <u>Circulation</u> 72:853-864 (1985)
39	Borgstrom et al., "Complete inhibition of angiogenesis and growth of microtumors by anti-vascular endothelial growth factor neutralizing antibody: novel concepts of angiostatic therapy from intravital videomicroscopy" <u>Cancer Research</u> 56(17):4032-4039 (1996)
40	Bradham et al., "Connective Tissue Growth Factor: a Cysteine-rich Mitogen Secreted by Human Vascular Endothelial Cells Is Related to the SRC-induced Immediate Early Gene Product CEF-10" <u>Journal of Cell Biology</u> 114:1285-1294 (1991)
41	Braunwald, E., "Pathophysiology of Heart Failure" <u>Heart Disease: A Textbook of Cardiovascular Medicine</u> , Third edition, W. B. Saunders Company pps. 426-448 (1988)
42	Brockhaus et al., "Identification of two types of tumor necrosis factor receptors on human cell lines by monoclonal antibodies" <u>Proc. Natl. Acad. Sci. USA</u> 87:3127-3131 (1990)
43	Brojatsch et al., "CAR1, a TNFR-Related Protein, Is a Cellular Receptor for Cytopathic Avian Leukosis-Sarcoma Viruses and Mediates Apoptosis" <u>Cell</u> 87:845-855 (1996)
44	Brown and Vaughan, "Angiotensin-Converting Enzyme Inhibitors" <u>Circulation</u> 97:1411-1420 (1998)
45	Brown et al., "Expression of vascular permeability factor (vascular endothelial growth factor) and its receptors in adenocarcinomas of the gastrointestinal tract" <u>Cancer Research</u> 53(19):4727-4735 (1993)
46	Brown et al., "Expression of vascular permeability factor (vascular endothelial growth factor) and its receptors in breast cancer" <u>Human Pathology</u> 26(1):86-91 (1995)
47	Browning et al., "Lymphotoxin β , a Novel Member of the TNF Family That Forms a Heteromeric Complex with Lymphotoxin on the Cell Surface" <u>Cell</u> 72:847-856 (1993)
48	Burgess and Maciag, "The Heparin-Binding (Fibroblast) Growth Factor Family of Proteins" <u>Annu. Rev. Biochem.</u> 58:575-606 (1989)
49	The Captopril Multicenter Research Group, "A Placebo-Controlled Trial of Captopril in Refractory Chronic Congestive Heart Failure" <u>JACC</u> 2(4):755-763 (1983)
50	The Captopril-Digoxin Multicenter Research Group, "Comparative Effects of Therapy with Captopril and Digoxin in Patients with Mild to Moderate Heart Failure" <u>Journal of the American Medical Assn.</u> 259(4):539-544 (1988)

Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. Dept. of Commerce
Patent and Trademark Office

Atty Docket No.

P1765R1

Serial No.

09/613,972

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant

Williams et al.

Filing Date

11 Jul 2000

Group

1646

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

51	Caspari et al., "Collagen in the normal and hypertrophied human ventricle" <u>Cardiovasc. Res.</u> 11:554-558 (1977)
52	Chien et al., "Regulation of Cardiac Gene Expression During Myocardial Growth and Hypertrophy: Molecular Studies of an Adaptive Physiologic Response" <u>FASEB Journal</u> 5:3037-3046 (1991)
53	Chien et al., "Transcriptional Regulation During Cardiac Growth and Development" <u>Annu. Rev. Physiol.</u> 55:77-95 (1993)
54	Chinnaiyan et al., "Signal Transduction by DR3, a Death Domain-Containing Receptor Related to TNFR-1 and CD95" <u>Science</u> 274:990-992 (1996)
55	Clapp et al., "The 16-kilodalton N-terminal fragment of human prolactin is a potent inhibitor of angiogenesis" <u>Endocrinology</u> 133(3):1292-1299 (1993)
56	Clemmons et al., "Cultured Fibroblast Monolayers Secrete a Protein That Alters the Cellular Binding of Somatomedin-C/Insulinlike Growth Factor I" <u>J. Clin. Invest.</u> 77:1548-1556 (1986)
57	Cohn et al., "A Comparison of Enalapril with Hydralazine-Isosorbide Dinitrate in the Treatment of Chronic Congestive Heart Failure" <u>New England J. of Medicine</u> 325(5):303-310 (1991)
* 58	Colligan <u>Current Protocols in Immunology</u> (1991)
59	Connolly et al., "Human Vascular Permeability Factor" <u>Journal of Biological Chemistry</u> 264(33):20017-20024 (1989)
60	The CONSENSUS Trial Study Group, "Effects of Enalapril on Mortality in Severe Congestive Heart Failure" <u>New England J. of Medicine</u> 316(23):1429-1435 (1987)
61	Dvorak et al., "Vascular permeability factor/vascular endothelial growth factor, microvascular hyperpermeability, and angiogenesis" <u>American Journal of Pathology</u> 146(5):1029-1039 (1995)
62	Eck and Sprang, "The structure of tumor necrosis factor- α at 2.6 Å resolution" <u>Journal of Biological Chemistry</u> 264(29):17595-17605 (1989)
63	Eichhorn, E., "Restoring Function in Failing Hearts: The Effects of Beta Blockers" <u>American Journal of Medicine</u> 104:163-169 (1998)
64	Ferrara and Davis-Smyth, "The biology of vascular endothelial growth factor" <u>Endocrine Reviews</u> 18(1):4-25 (1997)
65	Ferrara and Henzel, "Pituitary Follicular Cells Secrete a Novel Heparin-binding Growth Factor Specific for Vascular Endothelial Cells" <u>Biochem. & Biophys. Res. Comm.</u> 161(2):851-858 (1989)
66	Ferrara et al., "Molecular and biological properties of the vascular endothelial growth factor family of proteins" <u>Endo. Rev.</u> 13:18-32 (1992)
67	Ferrara et al., "The vascular endothelial growth factor family of polypeptides" <u>J. Cell. Biochem.</u> 47:211-218 (1991)
68	Folkman and Shing, "Angiogenesis" <u>Journal of Biological Chemistry</u> 267:10931-10934 (1992)
69	Folkman et al., "Induction of angiogenesis during the transition from hyperplasia to neoplasia" <u>Nature</u> 339(6219):58-61 (1989)
* 70	Freshney <u>Animal Cell Culture</u> (1987)

Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. Dept. of Commerce
Patent and Trademark Office

Atty Docket No.

P1765R1

Serial No.

09/613,972

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant

Williams et al.

Filing Date

11 Jul 2000

Group

1646

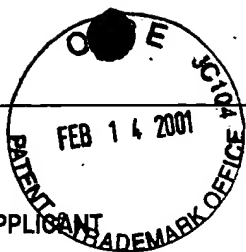
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

* 71	Gait <u>Oligonucleotide Synthesis</u> , Oxford:IRL Press (1984)
72	Garner, A., "Vascular Diseases" <u>Pathobiology of Ocular Disease. A Dynamic Approach</u> , Garner, A., Klintworth GK Eds., 2nd edition, NY:Marcel Dekker pps. 1625-1710 (1994)
73	Gelb et al., "Pycnodysostosis: Refined Linkage and Radiation Hybrid Analyses Reduce the Critical Region to 2 cM at 1q21 and Map Two Candidate Genes" <u>Human Genet.</u> 98:141-144 (1996)
74	Good et al., "A tumor suppressor-dependent inhibitor of angiogenesis is immunologically and functionally indistinguishable from a fragment of thrombospondin" <u>Proc. Natl. Acad. Sci. USA</u> 87(17):6624-6628 (1990)
75	Goodwin et al., "Molecular cloning and expression of the type 1 and type 2 murine receptors for tumor necrosis factor" <u>Molecular & Cellular Biology</u> 11:3020-3026 (1991)
76	Gruss and Dower, "Tumor Necrosis Factor Ligand Superfamily: Involvement in the Pathology of Malignant Lymphomas" <u>Blood</u> 85:3378-3404 (1995)
77	Hale et al., "Demonstration of in vitro and in vivo efficacy of two biologically active human soluble TNF receptors expressed in E. coli" <u>J. Cell. Biochem.</u> (abstract only Supplement 15F; P 424) pps. 113 (1991)
78	Harada et al., "Pressure Overload Induces Cardiac Hypertrophy in Angiotensin II Type 1A Receptor Knockout Mice" <u>Circulation</u> 97:1952-1959 (1998)
* 79	Harlow et al. <u>Antibodies: A Laboratory Manual</u> , Cold Spring Harbor: Cold Spring Harbor Press (1988)
80	Harrison et al., "Effects of beta adrenergic blockade on the circulation, with particular reference to observations in patients with hypertrophic subaortic stenosis" <u>Circulation</u> 29:84-98 (1964)
81	Heid et al., "Real time quantitative PCR" <u>Genome Research</u> 6(10):986-994 (1996)
82	Hess et al., "Diastolic function and myocardial structure in patients with myocardial hypertrophy" <u>Circulation</u> 63:360-371 (1981)
83	Hohmann et al., "Two different cell types have different major receptors for human tumor necrosis factor (TNF α)" <u>Journal of Biological Chemistry</u> 264(25):14927-14934 (1989)
84	Holmes et al., "Structure and Functional Expression of a Human Interleukin-8 Receptor" <u>Science</u> 253(5025):1278-1280 (1991)
85	Homcy, C., "Signaling Hypertrophy: How Many Switches, How Many Wires" <u>Circulation</u> 97:1890-1892 (1998)
86	Horak et al., "Angiogenesis, assessed by platelet/endothelial cell adhesion molecule antibodies, as indicator of node metastases and survival in breast cancer" <u>Lancet</u> 340(8828):1120-1124 (1992)
87	Houck et al., "The vascular endothelial growth factor family: identification of a fourth molecular species and characterization of alternative splicing of RNA" <u>Mol. Endocrinol.</u> 5:1806-1814 (1991)
* 88	Innis et al. <u>PCR Protocols: A Guide to Methods and Applications</u> , N.Y.:Academic Press, Inc. (1990)
89	Inoue et al., "The Human Endothelin Family: Three Structurally and Pharmacologically Distinct Isopeptides Predicted by Three Separate Genes" <u>Proc. Natl. Acad. Sci. USA</u> 86:2863-2867 (April 1989)
90	Ishikawa et al., "Identification of angiogenic activity and the cloning and expression of platelet-derived endothelial cell growth factor" <u>Nature</u> 338:557-562 (1989)

Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449

U.S. Dept. of Commerce
Patent and Trademark Office

Atty Docket No.

P1765R1

Serial No.

09/613,972

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant

Williams et al.

Filing Date

11 Jul 2000

Group

1646

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

91	Itoh et al., "The polypeptide encoded by the cDNA for human cell surface antigen Fas can mediate apoptosis" <u>Cell</u> 66:233-243 (1991)
92	Johnson et al., "Expression and Structure of the Human NGF Receptor" <u>Cell</u> 47:545-554 (1986)
93	Joliet et al., "Proviral Rearrangements and Overexpression of a New Cellular Gene (nov) in Myeloblastosis-Associated Virus Type 1-Induced Nephroblastomas" <u>Mol. Cell Biol.</u> 12:10-21 (1992)
94	Katz, A.M., "Heart Failure" <u>Physiology of the Heart</u> , Katz, A.M., New York:Raven Press, Chapter 25, pps. 638-668 (1992)
95	Katz, A.M., "Scientific insights from clinical studies of converting-enzyme inhibitors in the failing heart" <u>Trends Cardiovasc. Med.</u> 5(1):37-44 (1995)
96	Keck et al., "Vascular Permeability Factor, An Endothelial Cell Mitogen Related to PDGF" <u>Science</u> 246:1309-1312 (1989)
97	Keyt et al., "A faster-acting and more potent form of tissue plasminogen activator" <u>Proc. Natl. Acad. Sci. USA</u> 91:3670-3674 (1994)
98	Kim et al., "Inhibition of Vascular Endothelial Growth Factor-Induced Angiogenesis Suppresses Tumour Growth in vivo" <u>Nature</u> 362:841-844 (1993)
99	Kitson et al., "A Death-Domain-Containing Receptor that Mediates Apoptosis" <u>Nature</u> 384:372-375 (1996)
100	Klagsbrun and D'Amore, "Regulators of angiogenesis" <u>Ann. Rev. Physiol.</u> 53:217-239 (1991)
101	Klein et al., "Selection for Genes Encoding Secreted Proteins and Receptors" <u>Proc. Natl. Acad. Sci. USA</u> 93(14):7108-7113 (1996)
102	Kohn et al., "A second tumor necrosis factor receptor gene product can shed a naturally occurring tumor necrosis factor inhibitor" <u>Proc. Natl. Acad. Sci. USA</u> 87:8331-8335 (1990)
103	Kramer et al., "Controlled Trial of Captopril on Chronic Heart Failure: A Rest and Exercise Hemodynamic Study" <u>Circulation</u> 67(4):807-816 (1983)
104	Kurzrock et al., "LIF: Not Just a Leukemia Inhibitory Factor" <u>Endocrine Reviews</u> 12(3):208-217 (1991)
105	Lau and Nathans, "Genes induced by serum growth factors" <u>The Hormonal Control of Gene Transcription</u> (Series: Molecular Aspects of Cellular Regulation), P. Cohen & J.G. Foulkes, NY:Elsevier Science Publishers Vol. 6:257-293 (1991)
106	Leung et al., "Vascular Endothelial Growth Factor is a Secreted Angiogenic Mitogen" <u>Science</u> 246:1306-1309 (1989)
107	Lewis et al., "Cloning and expression of cDNAs for two distinct murine tumor necrosis factor receptors demonstrate one receptor is species specific" <u>Proc. Natl. Acad. Sci. USA</u> 88:2830-2834 (1991)
108	Lewit-Bentley et al., "Structure of tumour necrosis factor by X-ray solution scattering and preliminary studies by single crystal X-ray diffraction" <u>J. Mol. Biol.</u> 199(2):389-392 (1988)
109	Loetscher et al., "Molecular Cloning and Expression of the Human 55 kd Tumor Necrosis Factor Receptor" <u>Cell</u> 61:351-359 (1990)
110	Lopez et al., "Transdifferentiated retinal pigment epithelial cells are immunoreactive for vascular endothelial growth factor in surgically excised age-related macular degeneration-related choroidal neovascular membranes" <u>Invest. Ophthalmol. Vis. Sci.</u> 37(5):855-868 (1996)

Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

FEB 14 2001

U.S. Dept. of Commerce
Patent and Trademark Office

Atty Docket No.

P1765R1

Serial No.

09/613,972

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant

Williams et al.

Filing Date

11 Jul 2000

Group

1646

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

111	Lorell et al., "Modification of abnormal left ventricular diastolic properties by nifedipine in patients with hypertrophic cardiomyopathy" <u>Circulation</u> 65:499-507 (1982)
112	Macchiarini et al., "Relation of neovascularisation to metastasis of non-small-cell lung cancer" <u>Lancet</u> 340(8812):145-146 (1992)
113	Mallett et al., "Characterization of the MRC OX40 Antigen of Activated CD4 Positive T Lymphocytes - a Molecule Related to Nerve Growth Factor Receptor" <u>EMBO Journal</u> 9:1063-1068 (1990)
114	Marsters et al., "Activation of Apoptosis by Apo-2 Ligand is Independent of FADD but Blocked by CrmA" <u>Current Biology</u> 6(6):750-752 (1996)
115	Marsters et al., "Apo-3, a New Member of the Tumor Necrosis Factor Receptor Family, Contains a Death Domain and Activates Apoptosis and NF- κ B" <u>Curr. Biol.</u> 6(12):1669-1676 (1996)
116	Marsters et al., "Herpesvirus Entry Mediator, A Member of the Tumor Necrosis Factor (TNFR) Family, Interacts with Members of the TNFR-associated Factor Family and Activates the Transcription Factors NF- κ B and AP-1" <u>Journal of Biological Chemistry</u> 272(22):14029-14032 (1997)
117	Massie, B., "Heart Failure 1997: a time to take stock" <u>Curr. Op. in Cardiology</u> 12:209-217 (1997)
118	Mattern et al., "Association of vascular endothelial growth factor expression with intratumoral microvessel density and tumour cell proliferation in human epidermoid lung carcinoma" <u>Brit. J. Cancer</u> 73(7):931-934 (1996)
119	Melnyk et al., "Vascular endothelial growth factor promotes tumor dissemination by a mechanism distinct from its effect on primary tumor growth" <u>Cancer Research</u> 56(4):921-924 (1996)
120	Metcalfe, D., "Leukemia Inhibitory Factor--A Puzzling Polyfunctional Regulator" <u>Growth Factors</u> 7:169-173 (1992)
121	Montgomery et al., "Herpes Simplex Virus-1 Entry into Cells Mediated by a Novel Member of the TNF/NGF Receptor Family" <u>Cell</u> 87(3):427-436 (1996)
122	Morgan and Baker, "Cardiac Hypertrophy, Mechanical, Neural and Endocrine Dependence" <u>Circulation</u> 83:13-25 (1991)
123	Naismith and Sprang, "Modularity in the TNF-receptor family" <u>Trends in Biochemical Sciences</u> 23:74-79 (1998)
124	Neuhaus et al., "Improved thrombolysis with a modified dose regimen of recombinant tissue-type plasminogen activator" <u>JACC</u> 14:1566-1569 (1989)
125	Neuhaus et al., "Intravenous Recombinant Tissue Plasminogen Activator (rt-PA) and Urokinase in Acute Myocardial Infarction: Results of the German Activator Urokinase Study (GAUS)" <u>J. Am. Coll. Cardiol.</u> 12:581-587 (1988)
126	Nocentini et al., "A new member of the tumor necrosis factor/nerve growth factor receptor family inhibits T cell receptor-induced apoptosis" <u>Proc. Natl. Acad. Sci.</u> 94(12):6216-6221 (1997)
127	Nophar et al., "Soluble forms of tumor necrosis factor receptors (TNF-Rs). The cDNA for the type I TNF-R, cloned using amino acid sequence data of its soluble form, encodes both the cell surface and a soluble form of the receptor" <u>EMBO Journal</u> 9:3269-3278 (1990)
128	O'Brien et al., "Expression of <i>cyr61</i> , a Growth Factor-Inducible Immediate-Early Gene" <u>Mol. Cell Biol.</u> 10:3569-3577 (1990)
129	O'Reilly et al., "Angiostatin: a novel angiogenesis inhibitor that mediates the suppression of metastases by a Lewis lung carcinoma" <u>Cell</u> 79(2):315-328 (1994)
130	O'Reilly et al., "Endostatin: an endogenous inhibitor of angiogenesis and tumor growth" <u>Cell</u> 88(2):277-285 (1997)

Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. Dept. of Commerce
Patent and Trademark Office

Atty Docket No.

P1765R1

Serial No.

09/613,972

Applicant

Williams et al.

Filing Date

11 Jul 2000

Group

1646

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

131	Pan et al., "An Antagonist Decoy Receptor and a Death-domain Containing Receptor for TRAIL" <u>Science</u> 277:815-818 (1997)
132	Pan et al., "The Receptor for the Cytotoxic Ligand TRAIL" <u>Science</u> 276:111-113 (1997)
133	Pearlman et al., "Muscle fiber orientation and connective tissue content in the hypertrophied human heart" <u>Lab. Invest</u> 46:158-164 (1982)
134	Peetre et al., "A tumor necrosis factor binding protein is present in human biological fluids" <u>European Journal of Haematology</u> 41:414-419 (1988)
135	Pennica et al., "Expression cloning of cardiotrophin 1, a cytokine that induces cardiac myocyte hypertrophy" <u>Proc. Natl. Acad. Sci. USA</u> 92:1142-1146 (1995)
136	Pennica et al., "Human Tumour Necrosis Factor: Precursor Structure, Expression and Homology to Lymphotoxin" <u>Nature</u> 312:724-729 (1984)
137	Pitti et al., "Induction of Apoptosis by Apo-2 Ligand, a New Member of the Tumor Necrosis Factor Cytokine Family" <u>Journal of Biological Chemistry</u> 271:12687-12690 (1996)
138	Pollick, C., "Muscular subaortic stenosis, hemodynamic and clinical improvement after disopyramide" <u>New England J. of Medicine</u> 307(16):997-999 (1982)
139	Radeke et al., "Gene transfer and molecular cloning of the rat nerve growth factor receptor" <u>Nature</u> 325:593-597 (1987)
140	Reddy et al., "Update on digoxin and other oral positive inotropic agents for chronic heart failure" <u>Curr. Op. in Cardiol.</u> 12:233-241 (1997)
141	Rossi and Peres, "Effect of captopril on the prevention and regression of myocardial cell hypertrophy and interstitial fibrosis in pressure overload cardiac hypertrophy" <u>Am. Heart J.</u> 124:700-709 (1992)
142	Ryseck et al., "Structure, mapping, and expression of fisp-12, a growth factor-inducible gene encoding a secreted cysteine-rich protein" <u>Cell Growth Differ.</u> 2:225-233 (1991)
143	Schall et al., "Molecular Cloning and Expression of a Receptor for Human Tumor Necrosis Factor" <u>Cell</u> 61:361-370 (1990)
144	Schwarz et al., "Correlation between myocardial structure and diastolic properties of the heart in chronic aortic valve disease: effects of corrective surgery" <u>Am. J. Cardiol.</u> 42:895-903 (1978)
145	Seckinger et al., "Purification and biologic characterization of a specific tumor necrosis factor α inhibitor" <u>Journal of Biological Chemistry</u> 264:11966-11973 (1989)
146	Shahi et al., "Regression of hypertensive left ventricular hypertrophy and left ventricular diastolic function" <u>Lancet</u> 336:458-461 (1990)
147	Sheridan et al., "Control of TRAIL-Induced Apoptosis by a Family of Signaling and Decoy Receptors" <u>Science</u> 277:818-821 (1997)
148	Simmons et al., "Identification of a phorbol ester-repressible v-src-inducible gene" <u>Proc. Natl. Acad. Sci.</u> 86:1178-1182 (1989)
149	Simonet et al., "Osteoprotegerin: A Novel Secreted Protein Involved in the Regulation of Bone Density" <u>Cell</u> 89:309-319 (1997)
150	Smith et al., "A Receptor for Tumor Necrosis Factor Defines an Unusual Family of Cellular and Viral Proteins" <u>Science</u> 248:1019-1023 (1990)

Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

FEB 14 2001

U.S. Dept. of Commerce
Patent and Trademark Office

Atty Docket No.

P1765R1

Serial No.

09/613,972

Applicant

Williams et al.

Filing Date

11 Jul 2000

Group

1646

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

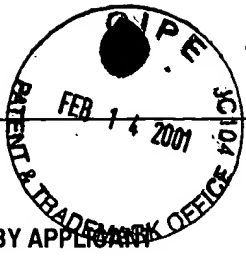
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

151	Smith et al., "Blocking of HIV-1 Infectivity by a Soluble, Secreted Form of the CD4 Antigen" <u>Science</u> 238:1704-1707 (1987)
152	Smith et al., "T2 Open reading frame from the Shope fibroma virus encodes a soluble form of the TNF receptor" <u>Biochem. & Biophys. Res. Comm.</u> 176:335-342 (1991)
153	The SOLVD Investigators, "Effect of Enalapril on Survival in Patients with Reduced Left Ventricular Ejection Fractions and Congestive Heart Failure" <u>New England J. of Medicine</u> 325(5):293-302 (1991)
154	Stamenkovic et al., "A B-lymphocyte activation molecule related to the nerve growth factor receptor and induced by cytokines in carcinomas" <u>EMBO Journal</u> 8(5):1403-1410 (1989)
155	Szlachcic et al., "Effect of diltiazem on left ventricular mass and diastolic filling in mild to moderate hypertension" <u>Am. J. Cardiol.</u> 63:198-201 (1989)
156	Takahashi et al., "Human Fas ligand: gene structure, chromosomal location and species specificity" <u>Int. Immunol.</u> 6(10):1567-1574 (1994)
157	Takao et al., "Novel DNA Polymorphism in the Mouse Tumor Necrosis Factor Receptors Type 1 and Type 2" <u>Immunogenetics</u> 37:199-203 (1993)
158	Tebbe et al., "Single-Bolus Injection of Recombinant Tissue-Type Plasminogen Activator in Acute Myocardial Infarction" <u>Am. J. Cardiol.</u> 64:448-453 (1989)
159	Thompson et al., "Effects of propranolol on myocardial oxygen consumption, substrate extraction, and haemodynamics in hypertrophic obstructive cardiomyopathy" <u>Br. Heart J.</u> 44:488-498 (1980)
160	Tischer et al., "Vascular endothelial growth factor: a new member of the platelet-derived growth factor gene family" <u>Biochem. & Biophys. Res. Comm.</u> 165:1198-1206 (1989)
161	Topol et al., "Comparison of Two Dose Regimens of Intravenous Tissue Plasminogen Activator for Acute Myocardial Infarction" <u>Am. J. Cardiol.</u> 61:723-728 (1988)
162	Topol, E.J., "Ulthrombolysis" <u>J. Am. Coll. Cardiol.</u> 15:922-924 (1990)
163	Upton et al., "Myxoma virus expresses a secreted protein with homology to the tumor necrosis factor receptor gene family that contributes to viral virulence" <u>Virology</u> 184:370-382 (1991)
164	Upton et al., "Tumorigenic poxviruses: genomic organization and DNA sequence of the telomeric region of the Shope fibroma virus genome" <u>Virology</u> 160:20-30 (1987)
165	Warren et al., "Regulation by vascular endothelial growth factor of human colon cancer tumorigenesis in a mouse model of experimental liver metastasis" <u>J. Clin. Invest.</u> 95(4):1789-1797 (1995)
166	Weber, K., "Extracellular Matrix Remodeling in Heart Failure: A Role for De Novo Angiotensin II Generation" <u>Circulation</u> 96:4065-4082 (1997)
167	Weidner et al., "Tumor angiogenesis and metastasis--correlation in invasive breast carcinoma" <u>New England J. of Medicine</u> 324(1):1-8 (1991)
168	Welcher et al., "Nerve growth factor binding domain of the nerve growth factor receptor" <u>Proc. Natl. Acad. Sci. USA</u> 88:159-163 (1991)
169	Wigle et al., "Hypertrophic cardiomyopathy, clinical spectrum and treatment" <u>Circulation</u> 92:1680-1692 (1995)
170	Wiley et al., "Identification and Characterization of a New Member of the TNF Family that Induces Apoptosis" <u>Immunity</u> 3:673-682 (1995)

Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449

U.S. Dept. of Commerce
Patent and Trademark Office

Atty Docket No.

P1765R1

Serial No.

09/613,972

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant

Williams et al.

Filing Date

11 Jul 2000

Group

1646

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

171	Yan and Chao, "Disruption of Cysteine-rich repeats of the p75 nerve growth factor receptor leads to loss of ligand binding" <u>Journal of Biological Chemistry</u> 266:12099-12104 (1991)
-----	---

172	Yanagisawa and Masaki, "Molecular Biology and Biochemistry of the Endothelins" <u>Trends Pharm. Sci.</u> 10:374-378 (September 1989)
-----	--

173	Yanagisawa et al., "A novel potent vasoconstrictor peptide produced by vascular endothelial cells" <u>Nature</u> 332:411-415 (1988)
-----	---

174	Zapf et al., "Inhibition of the Action of Nonsuppressible Insulin-like Activity on the Isolated Rat Fat Cells by Binding to its Carrier Protein" <u>J. Clin. Invest.</u> 63:1077-1084 (1979)
-----	--

Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.